



How to change track rod  
end on **RENAULT Modus**  
**/ Grand Modus (F, JP)** –  
replacement guide

### SIMILAR VIDEO TUTORIAL



This video shows the replacement procedure of a similar car part on another vehicle

#### **i Important!**

This replacement procedure can be used for:

RENAULT Modus / Grand Modus (F, JP) 1.5 dCi 75, RENAULT Modus / Grand Modus (F, JP) 1.5 dCi 90, RENAULT Modus / Grand Modus (F, JP) 1.2, RENAULT Modus / Grand Modus (F, JP) 1.6, RENAULT Modus / Grand Modus (F, JP) 1.5 dCi, RENAULT Modus / Grand Modus (F, JP) 1.4, RENAULT Modus / Grand Modus (F, JP) 1.2 16V, RENAULT Modus / Grand Modus (F, JP) 1.2 16V Hi-Flex

The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: RENAULT Twingo I Hatchback 1.2

REPLACEMENT: TRACK ROD END – RENAULT MODUS / GRAND MODUS (F, JP). TOOLS YOU NEED:



- Wire brush
- WD-40 spray
- Brake cleaner
- Copper grease
- Combination spanner #13
- Combination spanner #21
- Combination spanner #22
- Drive socket # 13
- Drive socket # 17
- Drive socket # 18
- Wheel impact socket #17
- Ratchet wrench
- Torque wrench
- Vernier caliper
- Ball joint puller
- Wheel chock

**Buy tools**

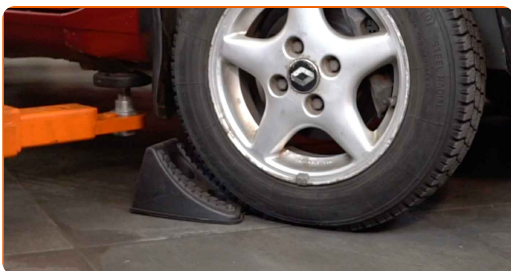
Replacement: track rod end – RENAULT Modus / Grand Modus (F, JP).  
AUTODOC experts recommend:

- Replace tie rod ends in pairs.
- The replacement procedure is identical for the right and left tie rod ends.
- During the installation process, use only new bolts and nuts.
- Please note: all work on the car – RENAULT Modus / Grand Modus (F, JP) – should be done with the engine switched off.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

1

Secure the wheels with chocks.



2

Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the front of the car and secure on supports.

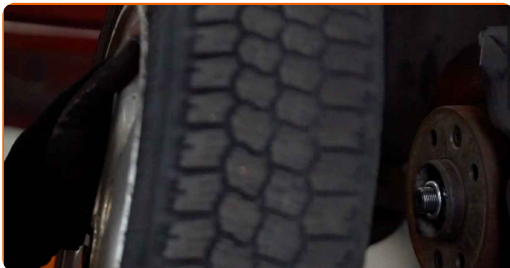
**4** Unscrew the wheel bolts.



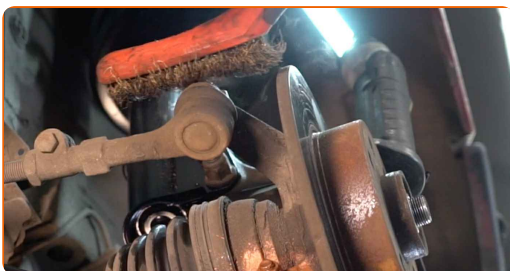
**AUTODOC recommends:**

- Important! Hold the wheel while unscrewing the fastening bolts. RENAULT Modus / Grand Modus (F, JP)

**5** Remove the wheel.



**6** Clean the fastener connecting the tie rod end to the steering knuckle. Use a wire brush. Use WD-40 spray.



- 7 When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



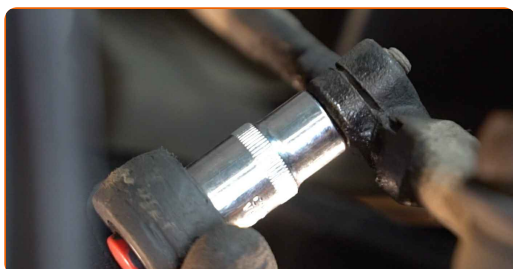
- 8 Loosen the lock nut securing the tie rod end to the tie rod. Use a combination spanner #21. Use a combination spanner #22.



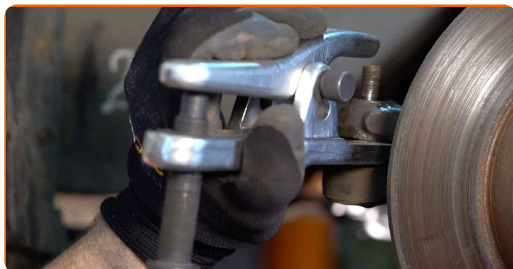
- 9 Unscrew the end fastening nut to the steering knuckle. Use a drive socket #17. Use a ratchet wrench.



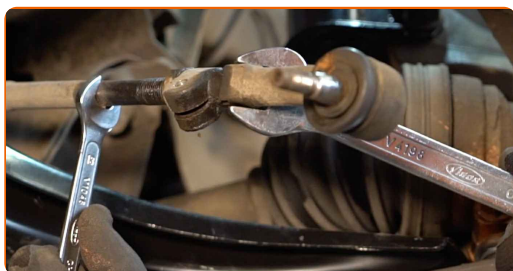
- 10 Loosen the fastener connecting the tie rod end to the tie rod. Use a drive socket #13. Use a ratchet wrench.



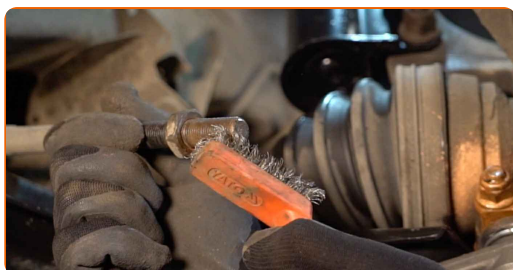
**11** Disconnect the tie rod end from the steering knuckle. Use a ball joint puller.



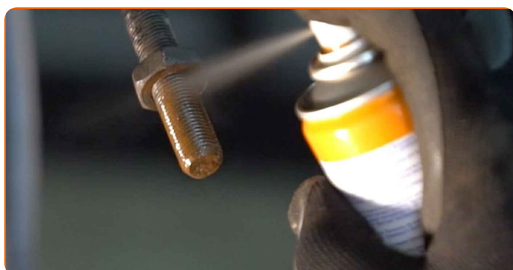
**12** Screw the end out of the tie rod. Use a combination spanner #13. Use a combination spanner #21.



**13** Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.

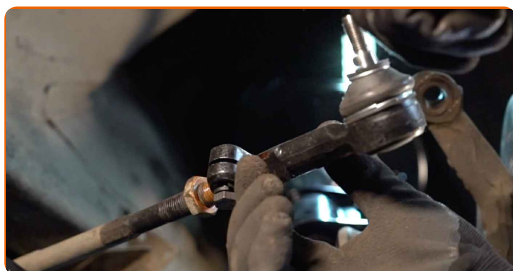


**14** Treat the threaded part of the tie rod. Use copper grease.



15

Screw on a new tie rod end.

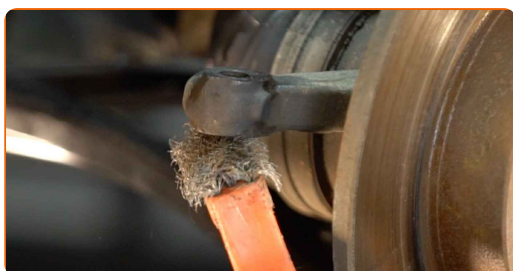


Replacement: track rod end – RENAULT Modus / Grand Modus (F, JP).  
AUTODOC recommends:

- While installing the steering rod end remember to make the same number of turns or to leave the same length of thread showing as per your measurements.

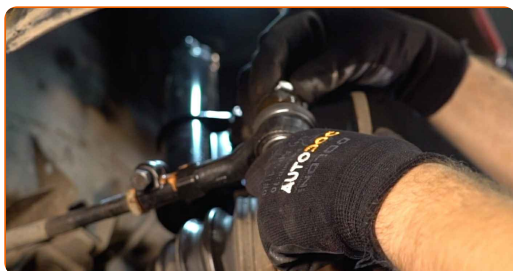
16

Clean the mounting seats of the tie rod end. Use a wire brush. Use WD-40 spray.



17

Connect the tie rod end to the steering knuckle.





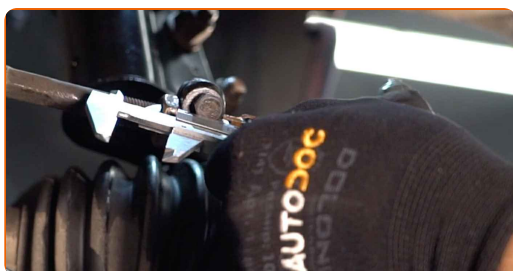
**18** Screw on the fastening nut that connects the tie rod end to the steering knuckle. Use a drive socket #17.



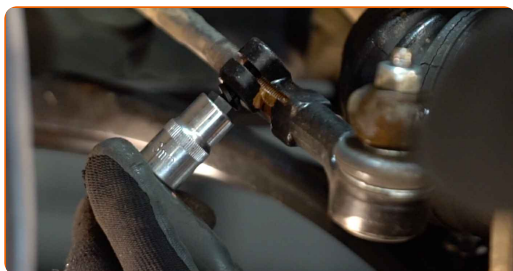
**19** Screw on the tie rod end jam nut. Use a combination spanner #21. Use a combination spanner #22.



**20** When deinstalling, mark or measure the precise position of the ball joint on the track rod, or count the number of turns in order to prevent misalignment afterward. Use a vernier caliper.



**21** Screw on the fastener connecting the tie rod end to the tie rod. Use a drive socket #13. Use a ratchet wrench.



- 22** Tighten the tie rod end locknut. Use a combination spanner #21. Use a combination spanner #22. Use a torque wrench. Tighten it to 53 nm torque.



- 23** Tighten the fastening nut connecting the tie rod end to the steering knuckle. Use a drive socket #18. Use a torque wrench. Tighten it to 40 nm torque.



- 24** Treat the fastener connecting the tie rod end to the steering knuckle. Use copper grease.



- 25** Treat the surface where the brake disc contacts the wheel rim. Use copper grease.

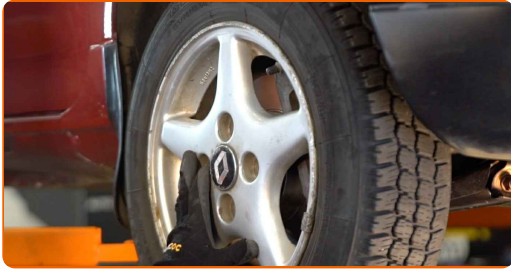
- 26** Clean the brake disk surface. Use a brake cleaner.

**AUTODOC recommends:**

- Replacement: track rod end – RENAULT Modus / Grand Modus (F, JP). After applying the spray, wait a few minutes.

**27**

Install the wheel.



Replacement: track rod end – RENAULT Modus / Grand Modus (F, JP). Tip from AUTODOC:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

**28**

Screw in the wheel bolts. Use wheel impact socket #17.



**29**

Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 90 nm torque.



Replacement: track rod end – RENAULT Modus / Grand Modus (F, JP). Tip from AUTODOC experts:

- Check and adjust wheel alignment if necessary.

30

Remove the jacks and chocks.



**WELL DONE!** 

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**TRACK ROD END: A WIDE SELECTION**

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